1. Record Nr. UNINA9910812268403321 Autore Gross Michael <1963-> Titolo Light and life [[electronic resource] /] / Michael Gross Oxford;; New York,: Oxford University Press, 2002 Pubbl/distr/stampa **ISBN** 1-283-58116-7 9786613893611 0-19-166124-4 Descrizione fisica 1 online resource (174 p.) Disciplina 571.455 Photobiology Soggetti Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Cover; Contents; Preface: Confessions of a light-addict; 1 The right place at the right time; 2 The oxygen revolution: how cyanobacteria changed the world; 3 Creatures that glow in the dark; 4 How life is guided by light; 5 Seeing and perceiving; 6 Changing ideas about light and life; Further reading; Index; A; B; C; D; E; F; G; H; I; J; K; L; M; N; O; P; Q; R; S; T; U; V; W; X; Y; Z Sommario/riassunto There would be no life on Earth without light from the Sun, and life would not be as highly evolved as it is had it not made the best use of light's energy and information for using photosynthesis, biological clocks, and vision. In Light and Life, Michael Gross explores six major aspects of the complex and fascinating interplay between light and life, ranging from the mythical role of the Sun in ancient cultures to the latest advances in scientific research, covering photosynthesis, bioluminescence, vision, perception, and biological clocks. - ;Light, like

no other physical phenomenon, is linke